INSTRUCTION MANUAL

High Resolution Color Dome Camera

CCTV SYSTEM

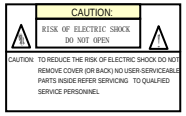
WARNING To prevent fire or shock hazard do not expose the insides of the unit to rain or moisture.

This symbol alerts the user to the presence of important operating and maintenance issues according to the manual.

SA 1966

This symbol alerts the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock .

SA 1965


CAUTION:
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

CAUTION:
To prevent electric shocks and risk of fire hazards, only use the power supply specified for unit.

Caution

- Do not open the cover of the camera It will no longer be waterproof if it is opened.
- Do not aim the camera at bright or strong light sources, this will make the camera ineffective in capturing pictures.
- Please keep the camera within the limits of the assigned voltage and electric current.
- Please use the camera only in applications with temperatures below 70°C(158°F).
- Please use the right electric cable to power the camera.
- Don't use corrosive substances to clean the glass.

A. PRECAUTIONS:

(a) Do not attempt to disassemble the camera.
To prevent electric shock, do not remove screws or covers. There are no user serviceable parts inside. Ask a qualified service person for servicing.

(b) Handle the camera with care.
Do not abuse the camera. Avoid hitting, shaking, etc. The camera could be damaged by improper handling or storage.

(c) Do not use strong or abrasive detergents when cleaning the camera body.
Use a dry cloth to clean the camera when dirty . In case the dirt is hard to remove, use a mild detergent and wipe gently.

(d) Do not use the camera beyond the prescribed voltage range.
Ensure the input power source voltage is conforms to the local city voltage. Higher voltage could fuse the power supply, Lower voltage could cause abnormal performance.

(e) Do not aim strong light directly into the camera, it will prevent the camera from producting effective video.

Caution

The main core of this camera technology is dual-filter applications. Please make sure that the IR cut filter is in right position before you install the camera to anywhere.You can do as one of the following methods to resume it.

-Power the camera and cover the front side of camera completely with your hand for a white and take it away.

-Power the camera and cut off the power and then switch on the power again.

-Just install it to anywhere,it will be resumed automatically when the light changes.

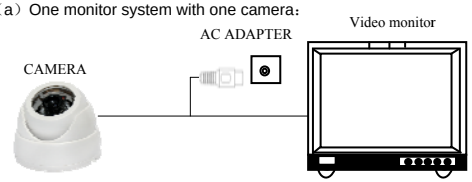
B. FEATURES:

This CCTV color camera introduces advanced CCDand digital technology, and offers customers a high quality and high resolution picture. Compared with the old chipset, the sensitivity, smear, dynamic range and S/N are improved drastically.

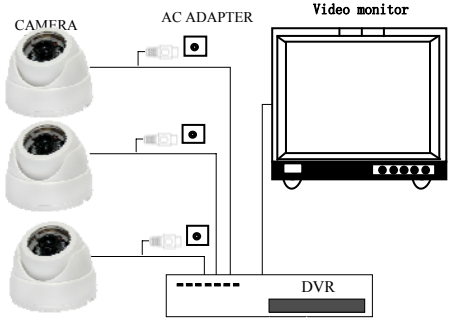
- Use for ceilling, elevator, bus etc.
- Indoor use only.
- High image quality and ultra low light performance
- Image processing on chip:lens shading,gamma/defect/color correction, low pass filter,color interpolation,saturation,edge enhancement, brightness,contrast,special effects,auto black level,auto white balance, auto exposure control and back light compensation
- The high performance digital-processing chip greatly improves the signal-to-noise ratio and distortion
- Automatic white balance function enables the camera to produce correct and nature colors in any light conditions, by automatically adjusting the white balance point.
- 50Hz, 60Hz , flicker automatic cancellation

C. CONNECTION:

(a) One monitor system with one camera:



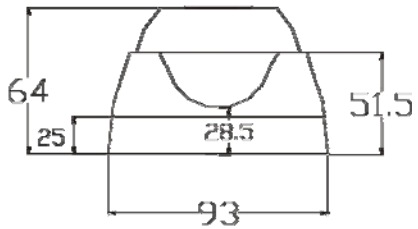
(b) One monitor system with two or more cameras:

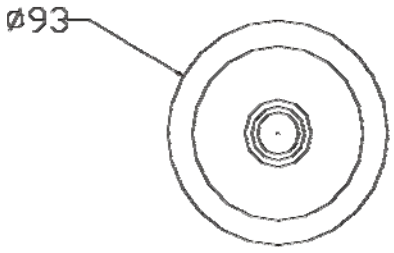


D. SPECIFICATIONS:

Image Sensor	1/3",Color
Effective Pixels	NTSC:1020×596 PAL:976×494
Horizontal Resolution	650TVL
Sync System	Internal
Scanning System	Interlace 2:1
Electronic Shutter	NTSC: 1/60s~1/100000s PAL:1/50s~1/100000s
White Balance	Auto
Gamma	0.45
S/N Ratio	≥48dB
Video Output	1.0Vp-p 75Ω, BNC connection
Usable Illumination	0 Lux /F2.0(When IR LEDs on)
Waterproof level	Indoor use only
IR LEDs Distance	24pcs, φ5 LED
IR LEDs Wavelength	850nm
IR LEDs Amount	80FT(24m)
Lens	3.6/5.0mm
AGC	Auto
BLC	Auto
Power Supply	DC12V/500mA
Power Consumption	<6W
Operating Temp	-10℃~+50℃ (14°F to 122°F) RH 95% Max
Dimension	93×64 mm
Weight	300g

E. DIMENSIONS:





Charcoal black
Fixed 3. 6mm lens

White
Fixed 5. 0mm lens

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